User Manual

VOIspeed V-IP400

IP phone

Content

1. Introduction 3
2. Security information 3
2.1. How to use the telephone correctly 3
2.2. Qualified personnel 3
2.3. Accessories 3
2.4. Waterproof guidelines 3
2.5. Connecting other devices 3
2.6. Telephone position 3
2.7. Connect the power supply 4
2.8. Cleaning the device 4
2.9. Product Disposal 4
2.10. Product Warranty 5
3. General Information 6
3.1. Components check list 6
3.2. General specifications 6
3.3. Before starting 6
3.4. Getting Started 7
4. Basic operations 9
5. Web configuration 12
5.1. Login 13
5.2. Current state 14
5.3. Network 15
5.4. VOIP 16
5.5. Advanced configuration 17
5.6. Config Manager 22
5.7. Upgrade 23
5.8. System management 24
6. Keyboard Configuration 28
6.1. Enter the telephone menu 28
6.2. Network settings (IP address, Netmask) 28
6.3. Telephone startup in POST mode 28
6.4. Address book 28

1. Introduction

We would like to thank you for your purchase and for having chosen one our products. This manual provides general guidelines for a correct use of the product. In case you require further information on this product or to receive technical assistance please visit our website: www.voispeed.com.

2. Security information

You will find listed below security rules that the user should follow when using this device. Please comply with these guidelines to avoid taking unnecessary risks.

2.1. How to use the telephone correctly

Use the telephone only in the standard working position.

2.2. Qualified personnel

Any installations or repairs on the product should be carried out only by qualified and fully trained personnel.

2.3. Accessories

Use only accessories that are fully approved by The Manufacturer. Do not connect to any non compatible products.

2.4. Waterproof guidelines

The telephone is not waterproof. Avoid contact with liquids.

2.5. Connecting other devices

If you connect the telephone to other devices please read the user guide of the device first. Do not connect the telephone to any non compatible products.

2.6. Telephone position

Avoid prolonged exposure to direct sunlight. Do not place the telephone near sources of intense heat (e.g. radiators, fire, etc.) and near electronic equipment producing strong magnetic fields (speakers, microwaves ovens, etc.). Do not install the telephone in humid rooms and avoid contact with liquids. Do not expose the device to aggressive gas and do not use the telephone in too dusty environments. Never use the telephone in presence of any explosive gas (e.g. methane). Refrain from opening any parts of the V-IP400 and do not touch the plugs with metal or sharp objects.

2.7. Connect the power supply

Please make sure that the power supply complies with the voltage setting of your equipment. If you have doubts about the voltage setting, please call the technical support. Do not remove any devices that provide security. Always disconnect the telephone from the power supply during storms. All maintenance work should be carried out by qualified personnel.

2.8. Cleaning the device

We suggest cleaning the equipment only using a slightly dump cloth.

2.9. Product Disposal

Our products are compliant with the European Directives 2002/95/CE, 2002/96/CE and 2003/108/CE regarding the limitation of use of lead, mercury, cadmium, chromium (VI) as well as some flame retardants and hazardous material within electric and electronic equipment and disposal.

The sign above representing a crossed waste bin indicates that the product, once no longer utilised, must be disposed of by separating it from normal waste. The user must ensure that the product, once reached its end-life, is given to qualified organisations responsible for the collection of electronic and electrical waste. The user may otherwise choose to return the equipment to the manufacturer when purchasing a new equivalent device. In this case the product returned must correspond to the one being purchased.

Suitable disposal of the equipment in accordance with relevant recycling guidelines helps the environment and fosters sustainable development. Unlawful disposal of this equipment is an offence and may lead to prosecution in accordance with the Country's laws in which the disposal takes place.

Correct disposal benefits us and the environment.

2.10. Product Warranty

The Manufacturer (Harpax Srl.) warrants its products to be free from defects in material and workmanship during the warranty period. The product is covered by warranty only if it is used in compliance with the guidelines contained in this manual. This warranty will be invalidated in case of manumission, wrong use of the product or accidental damage. This product is compliant with CE regulations.

The warranty period starts from the date the product has been purchased (stated on the invoice) and will last for twelve (12) months thereafter. If a product proves to be defective in material or workmanship during the warranty period, The Manufacturer will, at its sole discretion, repair or replace the product with a similar one (new or re-conditioned). The replacement unit will be covered by a new warranty period that will last the remaining time on the customer's original limited warranty. The old equipment substituted will automatically become property of Harpax Srl.

In order to have access to the warranty the user must fill out the online form that can be found on www.prontopbx.com or www.voispeedltd.com (please also contact the customer support department on 01727 848186). The user must provide a valid invoice to claim warranty on the product.

2.10.1. Exclusions.

The warranty will be invalidated in the following cases:

- Damages to any parts that are meant to ware out with time. No support, maintenance or replacement will be provided for these components.
- Damages resulting from using a wrong power supply.
- Damages resulting from misuse or actions that do not comply with the guidelines of this manual.
- Damages resulting from lack of maintenance as advised by The Manufacturer.
- Damages resulting from installing or using the product without complying with the relevant standards (legal, health and safety, technical, etc.) that are in place in the Country where the product is utilised.
- Damages resulting from misuse, negligence, unauthorized product modification, repair or attempted repair by anyone not authorized by The Manufacturer (including the user) or failure to follow instructions supplied with the product.
- Damages caused during product transportation or delivery due to insufficient or inappropriate packaging.
- Damages caused by accident, fire, water, any acts of nature, insufficient ventilation or other causes that don not fall under the control of The Manufacturer.
- Damages caused from any unintentional or deliberate human acts .

- Damages caused from manumission or in conjunction with warranty labels being broken.
- Damages to Software or any Hardware component not supplied by The Manufacturer with the product.

This warranty is only valid within the European Community.

3. General Information

V-IP400 is a stand-alone device that requires no connection to a PC to make phone calls. As well as providing the same features of a traditional telephone, V-IP400 supports both data and voice through the IP network. V-IP400 guarantees clear and reliable voice quality on an IP network. V-IP400 is fully compatible with SIP industry standard and can interoperate with VOIspeed-based systems. The integrated switch allows you to connect another IP device to a LAN.

3.1. Components check list

1. One V-IP400 (body)
2. One Handset
3. One Handset cable
4. One universal power adapter
5. Ethernet cable (3 m)
6. User manual

3.2. General specifications

Description		**V-IP400**
Power supply		100-240VA/5VDC/60Hz
CPU		150MHz
Ports	LAN	10/100Base T RJ-45 per LAN
	PC	10/100Base T RJ-45 per PC
Power absorption		1.8W/1.4W
Preferred temperature		0 ~ 50°C
Preferred Humidity		5 ~ 65%

3.3. Before starting

Check if your LAN and your SIP server are correctly running before connecting the V-IP400.

NOTE: before using the telephone you need to configure at least one user in the Pronto server. In this way the telephone will be able to login.

3.4. Getting Started

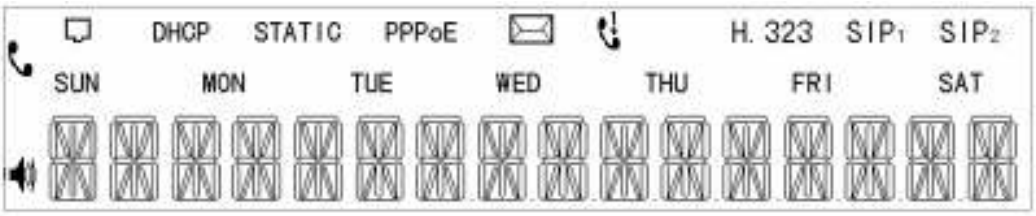
3.4.1. Connection

- Connect the LAN Ethernet port to the company switch/router/hub using an ethernet UTP5 cable (not cross cable).
- Connect the PC Ethernet port to a PC using an Ethernet UTP5 cable (not cross cable) in case you need to.
- Connect the power supply to the Power plug

This device is provided with ground connection. Use the device only in a fully earthed electric system, with Residual Current Device (RCD) and relevant safety measures as prescribed by law.

3.4.2. Display

The V-IP400 telephone is provided with a backlit (green) LCD display. Please find below a screenshot of the display with all segments being activated:



The table below lists all symbols meanings:

Icon	LCD Icon Definitions
	Network Status Icon: **BLINK Network bind failure** **ON, Ethernet link is up.**
DHCP	**Network Status Icon:** **ON, the phone uses a dynamic IP address** **BLINK, the phone should work with dynamic IP address but no DHCP server found** **OFF, the phone uses a static IP address**
STATIC	**Network Status Icon:** **ON, the phone uses a static IP address** **BLINK, failure assigning the IP address** **OFF, the phone uses dynamic IP address**
	Message Status Icon: **BLINK, new message on the vocal box**
	Missed call display **BLINK, missed calls not yet listened.**
SIP1	**SIP1 (Public sip server) register Status:** **BLINK Registration enabled but the registration procedure fails** **ON the telephone is logged in**

	OFF the SIP registration is disabled
SIP2	**SIP1 (Private sip server) register Status:** **BLINK Registration enabled but the registration procedure fails** **ON the telephone is logged in** **OFF the SIP registration is disabled**
	Handset Status Icon: **ON handset is if off hook** **OFF if on hook**
	Speakerphone Status Icon: **ON, the phone is in speakerphone mode** **OFF the phone is in idle status or in**
SUN MON ...	**Weekday Status Icon:**
	Numerical Numbers and Characters: **0 - 9** *** # @** **A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z**

3.4.3. Key features

The V-IP400 provides the same functionalities of a traditional telephone. In addition, offers a wide range of features when connected to VOIspeed.

Please find below a list of the telephone's key features:

- Switch (supports DHCP or static IP)
- Protocols supported: TCP/UDP/IP, HTTP, DHCP Client, FTP
- VoIP protocols: SIP (RFC3261)
- Voice coding: G.711 (A-law/U-law)
- Configurable protocol ports (telnet, HTTP, FTP)
- Features supported include: ID caller, Hold, Forward (blind/attended), Do not disturb (DND), DTMF tones, Quick number (Hotline autodial, etc…)
- Show user status (only when used in combination with VOIspeed)
- Full duplex speakerphone, redial, call log, adjustable volume
- Voice recording (only when used in combination with VOIspeed)
- Standard encryption and authentication (DIGEST using MD5)
- Telephone manual configuration (from keypad, web interface or Telnet) or up-loadable from file through TFTP or HTTP
- Upgrade via TFTP/FTP or HTTP server
- Configurable syslog server

4. Basic operations

4.1.1. Getting familiar with the telephone's keypad

Please find below a quick description of the functions linked to each button:

Button	Description
0 - 9, *, #	Digit, star and ash keys are usually used to make phone calls
Sysinfo	Display basic information, including extension, IP address and gateway address. Keep the button pressed to show the information, press it again to show the next one
OK	Enter (confirmation when browsing the telephone menu)
Exit	Cancel (cancel when browsing the telephone menu)
MENU	Access the menu when the telephone is in idle status
UP	Go to previous item in the menu. If the telephone is in idle state you can adjust the handset/speakerphone volume
DOWN	Go to the next item in the menu. If the telephone is in idle state you can adjust the handset/speakerphone volume
HOLD	Puts the current call on hold
TRANSFER	Transfer the active call to another number
REDIAL	Redials the last dialled number or starts a new call from the address book or from the call list
SPEAKER	Enables speakerphone mode
DEL	When dialling this key deletes the last digit, a call list entry, memory key associations, etc.
CALL LIST	Shows the call list
REC	During a conversation by pressing this key you can start recording the call; to stop

	recording press REC button again. The recorded call is stored in the server
PLAY	Opens the phone address-book
M1—M10	Press the M button to display the stored number; wait 5 seconds to go back or press EXIT. If you need to change the memory key association, press DEL button to delete the old number and enter the new number in 5 seconds, then press OK to confirm. Each memory number should be configured in this way. After setup, the lamps on the phone will display the state of each extension linked to the memory buttons. When the loudspeaker is activated or the handset is lifted press a memory button to call the associated extension. The lamps will show the following states: logged out or empty memory = off, free/idle = green, busy = red, ringing = fast blinking amber, divert = slow blinking green, pause = slow blinking red, answer wait = red answering machine = amber

4.1.2. How to place a call

You can start a call in several ways:

1. Lift the handset or press the SPEAKER button and then dial the number.
2. Lift the handset or press the SPEAKER button, press the REDIAL button if you want to redial the last number called.
3. Lift the handset or press the SPEAKER button, and press a non null memory key.
4. Without lifting the handset, choose an entry in the address book (or call list) and press REDIAL.

Once you have entered the number (points 1, 2) press the "#" key to start the call. The call will be otherwise initiated after a pre-set timeout (you can set the timeout in the web interface menu **Advance – Digital Map**).

Example:
If you want to call 1001, lift the handset or press the SPEAKERPHONE button and then dial 1001#.

4.1.3. Hold

Press the HOLD key (the display will show PLEASE DIAL). Press HOLD again to retrieve the call. Note: if you hold the call for more than 10 seconds, you will hear a continuous tone and the display will show PLEASE HANGUP. However, you can press HOLD again to retrieve the call..

4.1.4. Unattended Transfer (Blind transfer)

During a call, press TRANSFER (the display will show INPUT NUMBER), dial the recipient number (press # to send the number or wait until the display shows PLEASE HANGUP) or press a memory key button. The call will be automatically transferred and you will be dismissed from the call.

4.1.5. Attended Transfer

During a call press HOLD (the display will show PLEASE DIAL). Dial the recipient number, wait for an answer and, when you want to transfer, press TRANSFER. Before transferring you can switch from one channel to the other pressing HOLD (the inactive call will be put automatically on hold). If you no longer want to transfer the call, please select any active call and press "#" or EXIT to close it.

5. Web configuration

The V-IP400 Web Configuration Menu can be accessed typing the following URL in a web browser: *http://Phone-IP-Address*. The default LAN IP address is given by an external DHCP server if present in your network. Press the "SYSINFO" button twice (and then holding it) to see what is the current IP address of the phone. If no DHCP server is running in your network, press key "1" (on the keypad) for 3 seconds in order to set the STATIC IP mode. If you want to set the DHCP mode press key "2" (on the keypad) for 3 seconds. If DHCP is disabled the default static IP address of the phone is 192.168.1.179.
If you want to change the V-IP400 IP address (nb: only in STATIC mode) enter the phone Menu using the default password (123). Go to Network → LAN → IP and press "DEL". When "INPUT VALUE" string is displayed, insert the new IP address following this format:
xxx*xxx*xxx*xxx. **Example.** 192*168*0*12.

In case the web-based login port of the phone is configured as a non-80 standard port, the user will need to enter: http://xxx.xxx.xxx.xxx**:**xxxx to access the web interface. The browser will display a 404 error otherwise.
Once you are on the web interface please remember to press "Apply" button when you have finished modifying the settings. To save changes on the telephone's flash memory press the "Save" button (Config Manage → Save Config).
To activate some of the changes (e.g. IP and memory key assignments) you need to restart the telephone. Therefore, we suggest rebooting the telephone once you have completed the configuration..

5.1. Login

In order to login the web interface you need to type the administrator username and password. The administrator default login data are:

Username: **admin**,
Password: **admin**.

If you want to modify administrator username and password you can do so from the System Manage → Account config page.

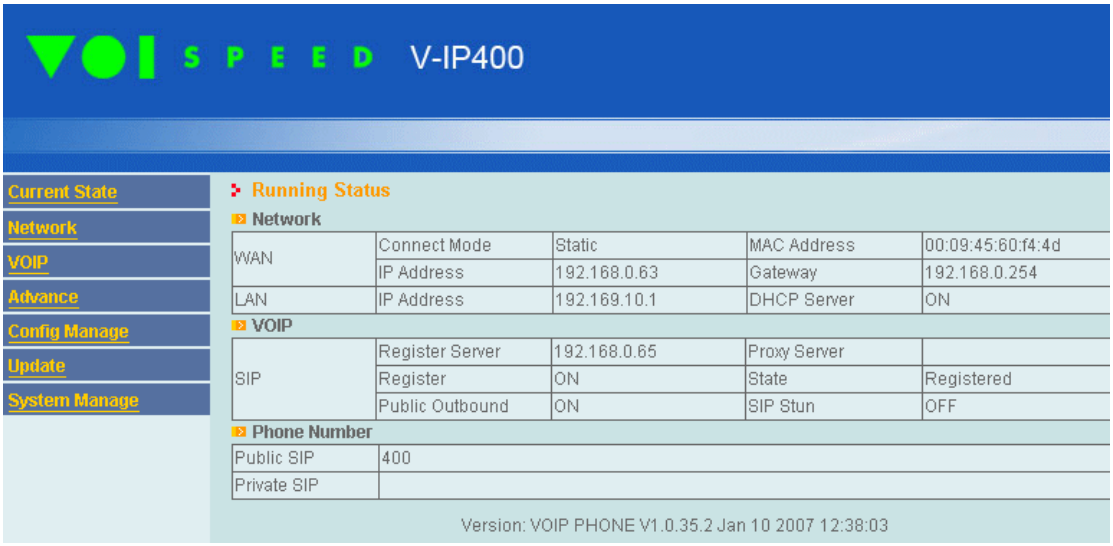
Notes:

Press Enter or the Login button after you have entered the login data.
The login timeout is about 2 minutes. This means that if you don't press any button for more than 2 minutes, you will be required to login again and all settings that have not been saved, will be lost.

5.2. Current state

This page contains information about the telephone status:

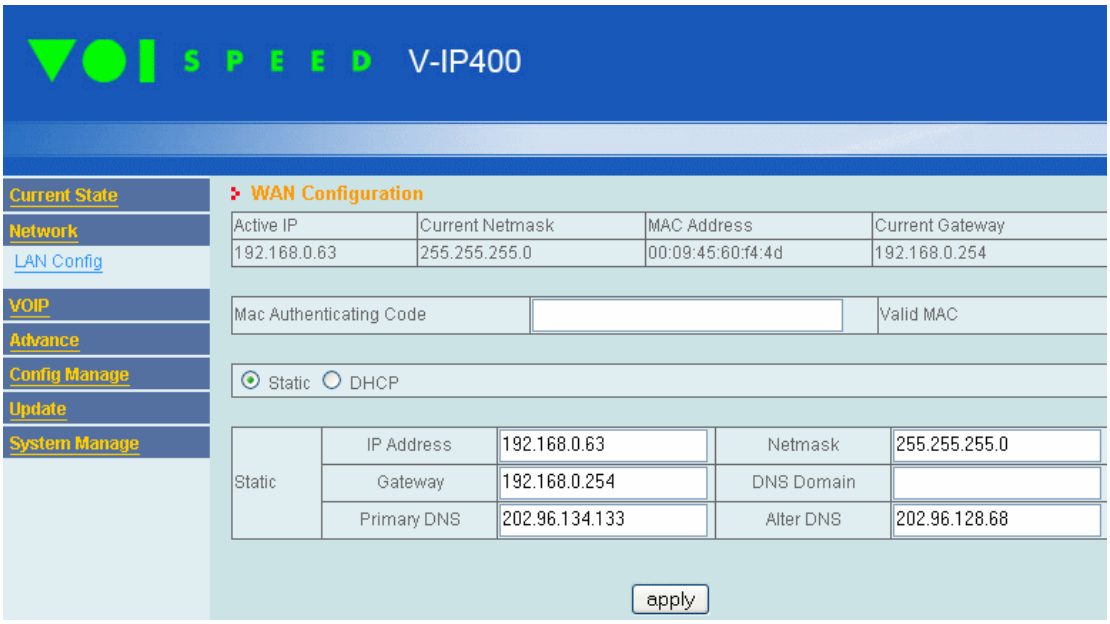
- Network includes V-IP400 network details: IP address type (static or DHCP), MAC address and IP address.
- VoIP includes details concerning the SIP protocol (VOIP → SIP), such as register server IP address and registration status.
- Phone Number determines the V-IP400 phone number. The V-IP400 can simultaneously login two SIP servers: a public server (menu VOIP → SIP) and an optional private server (menu Advance → SIP).
- Firmware version is on the bottom of the page.



5.3. Network

In this section the administrator must define the V-IP400 Network settings. Firstly, you need to choose an IP address assignment mode (Static or Dynamic). This configuration is generally done from the telephone's keypad. When you select static IP address assignment, you need to specify the phone IP address (generally private), the Netmask and the DNS server IP address. When DHCP mode is selected, it is sufficient to specify DNS server IP address.

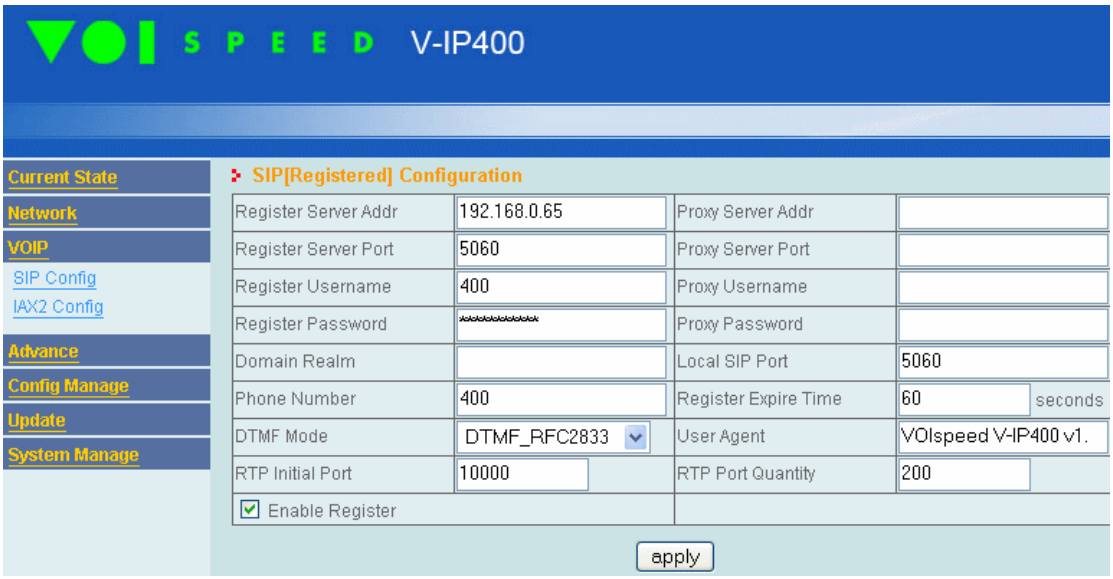
The V-IP400 display shows the current IP address assignment mode.
The embedded switch doesn't need to be configured. You can connect to the V-IP400 PC port any IP device (PC, IP phone) with either a dynamic or static IP address.



5.4. VOIP

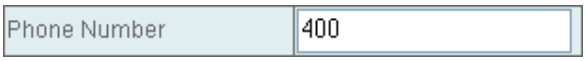
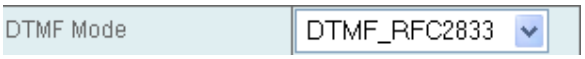
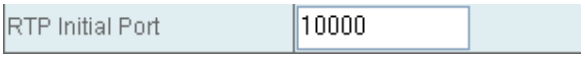
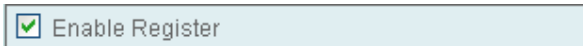
This page contains details required for logging into a SIP server. It is strongly recommended to define PRONTO server as the main SIP server (a secondary SIP server can be specified in the Advance → VOIP page). If the V-IP400 telephone doesn't login into a SIP server, the user will not be able to use any V-IP400 features (including dialling and receiving phone calls).

Before proceeding, you need to create a new user (that will be used to connect the IP phone) in PRONTO server. Furthermore, you will need to enable all UDP traffic on port 5060 on the network firewalls. After this, you can enter all the details corresponding to the new user you have just created in this window:



Details (only mandatory fields are described and listed below)

SIP[Unregistered] Configuration	SIP registration status; if the registration is successful it shows *Registered*, or *Unregistered* otherwise.
Register Server Addr 192.168.0.65	Pronto server IP address.
Register Server Port 5060	SIP server destination UDP port (default 5060).
Register Username 400	SIP username (the username of the Pronto user).
Register Password	SIP Password (the password of the Pronto user).
Domain Realm voispeed	Insert "voispeed" string (required during SIP authentication).
Local SIP Port 5060	SIP UDP source port (default 5060).
Register Expire Time 60 seconds	Registration expiry time.

	V-IP400 extension number (the extension number defined for the new user on PRONTO server).
	DTMF send mode (Pronto server supports RFC2833).
	Start UDP port, this port is allocated for the first conversation.
	Enable/Disable registration procedure; MUST BE ENABLED in conjunction with PRONTO.

5.5. Advanced configuration

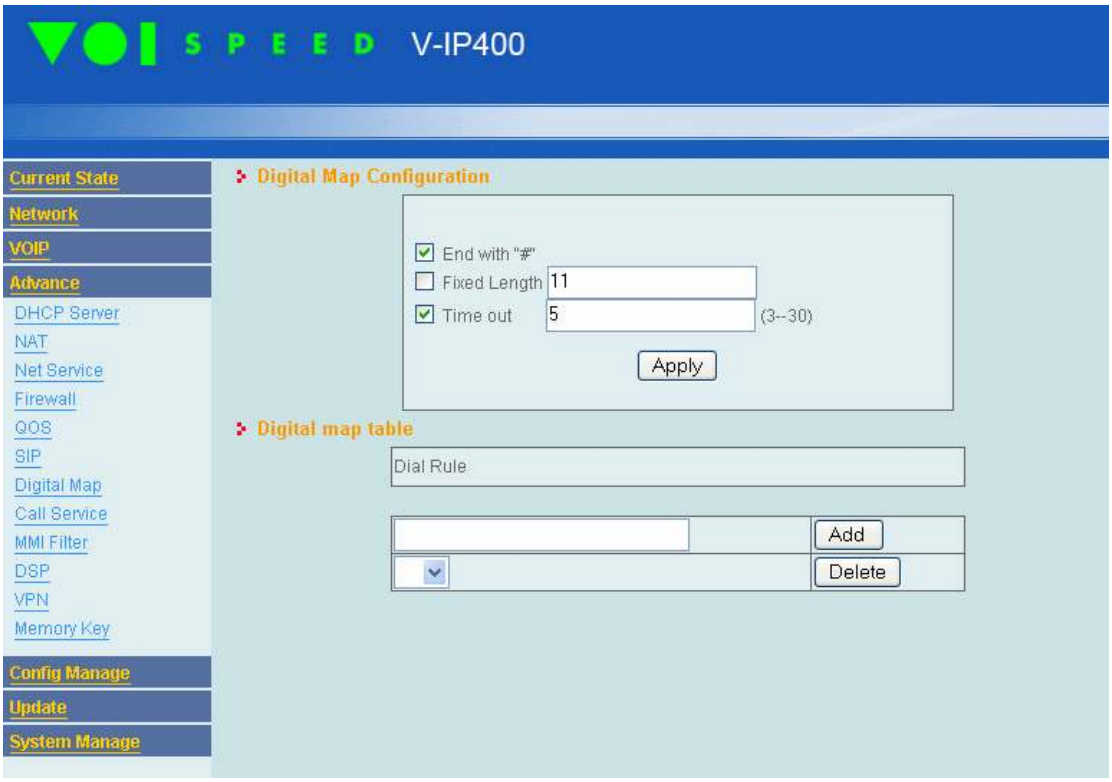
5.5.1. Net Service

In this section you can modify the HTTP port (web interface, default 80) and the Telnet port (telnet protocol, default 23).

5.5.2. SIP

In this page you can setup a connection to a secondary SIP server. If you don't use this feature the "*Enable Private Register"* checkbox should not be checked.

5.5.3. Digital Map



Digital Map Configuration

Digital map configuration define how the V-IP400 should begin each call.
Possible options are:

- Start a call with "#" (the telephone starts the call after pressing the ash key)
- Start a call after a fixed number of digits (for example 10 digits)
- Start a call after timeout from last digit elapses (for example 'N' seconds)

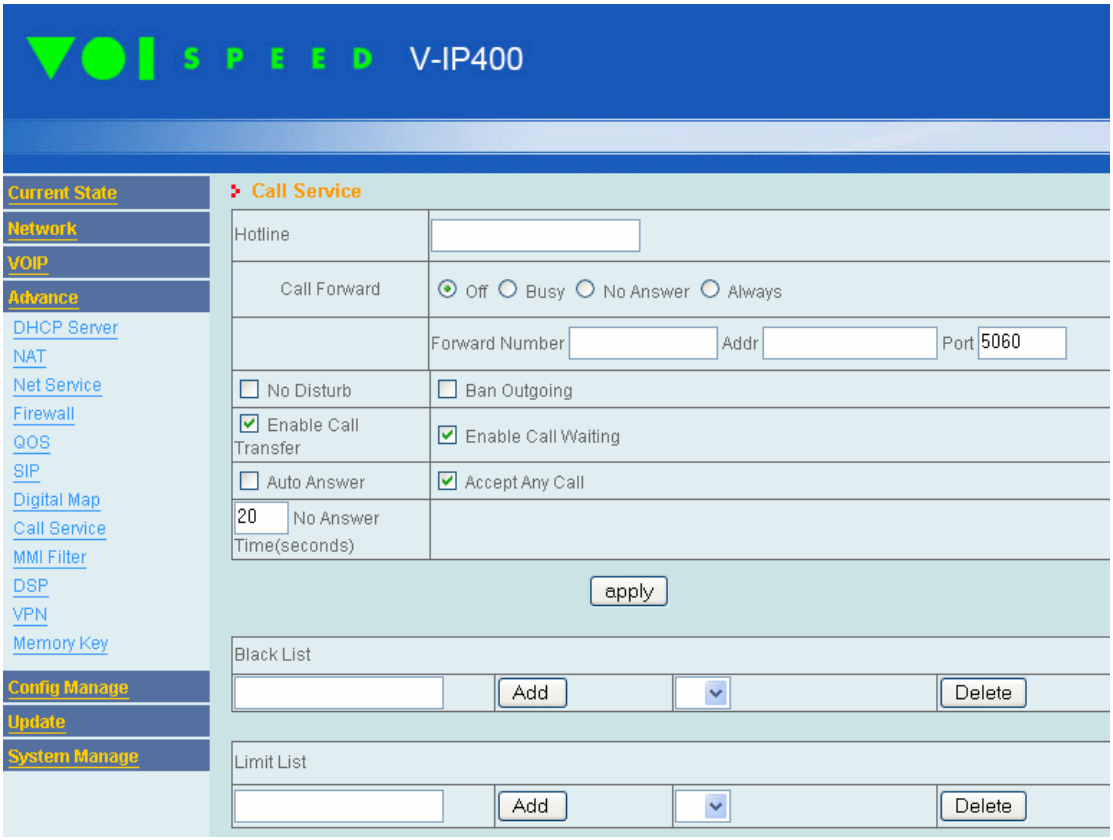
Digital map table

The "digital map table" lists a number of dial rules. As soon as the recipient's number matches a V-IP400 dial rule, the call towards this number starts immediately, regardless of what has been previously defined in the "digital map configuration".

Example.
Let's take the case of entering "500" in the digital map table as one of the dial rules. In this case a new call to 500 starts immediately as soon as the user enters 500 on the telephone's keypad.

Note: you will no longer be able to call 5001 or 500234, but you can call 123500 or 1500236.
To add a new Dial rule, write the number in the input box and press *Add* button. To delete a Dial rule select the number and press the *Delete* button.

5.5.4. Call service

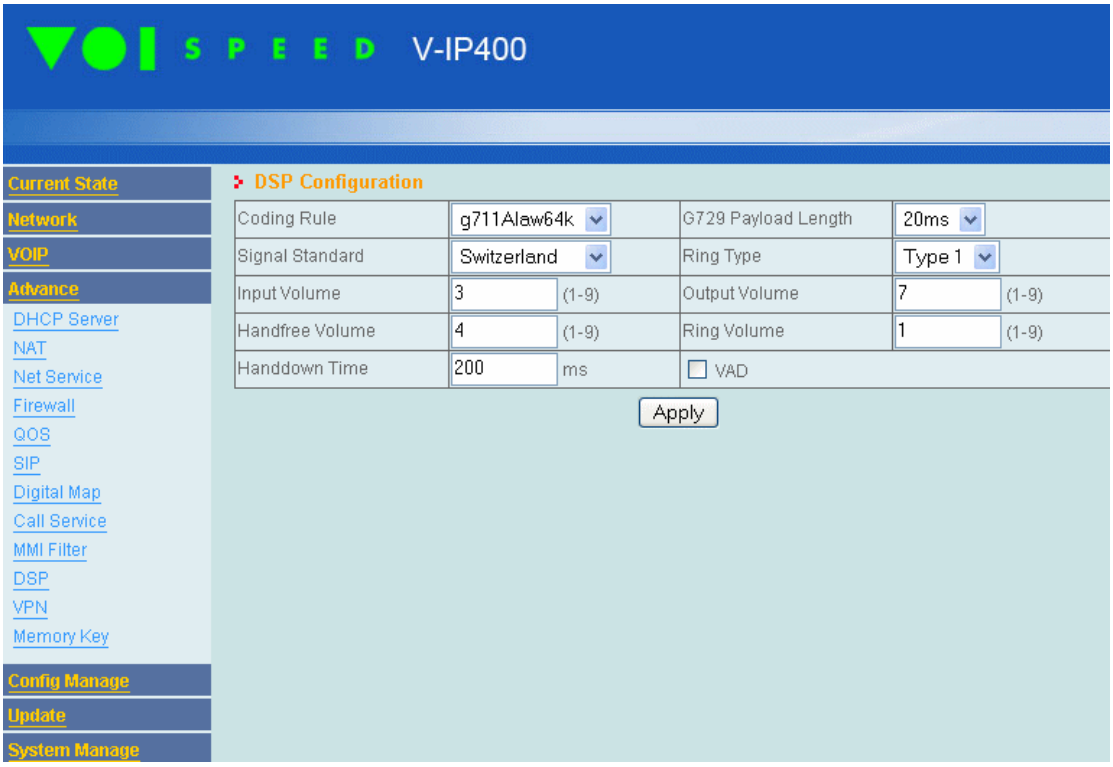


In this page you can Enable/Disable some V-IP400 services:

- *Hotline*: when you enter a phone number here, the V-IP400 will start a call to this number as soon as the handset is lifted. This feature is particularly useful when all outgoing calls must be routed through an IVR or an operator.
- *Call forward*: enables call transfer following particular events. Possible events values are: Off, Busy, No answer (define no answer time), Always. In the Forward Number field you need to specify the number you want to divert calls to.
- *No disturb*: enables/disables the don't disturb feature (refusing all incoming calls).
- *Ban outgoing*: blocks all outgoing calls.
- *Enable Call Transfer*: enables/disables call transfer.
- *Enable Call Waiting*: enables/disables call waiting.
- *Auto Answer*: enables/disables automatic answer. When enabled the V-IP400 answers a new incoming call without ringing..

5.5.5. DSP

In this section you can configure the audio codec, signalling type and volumes.

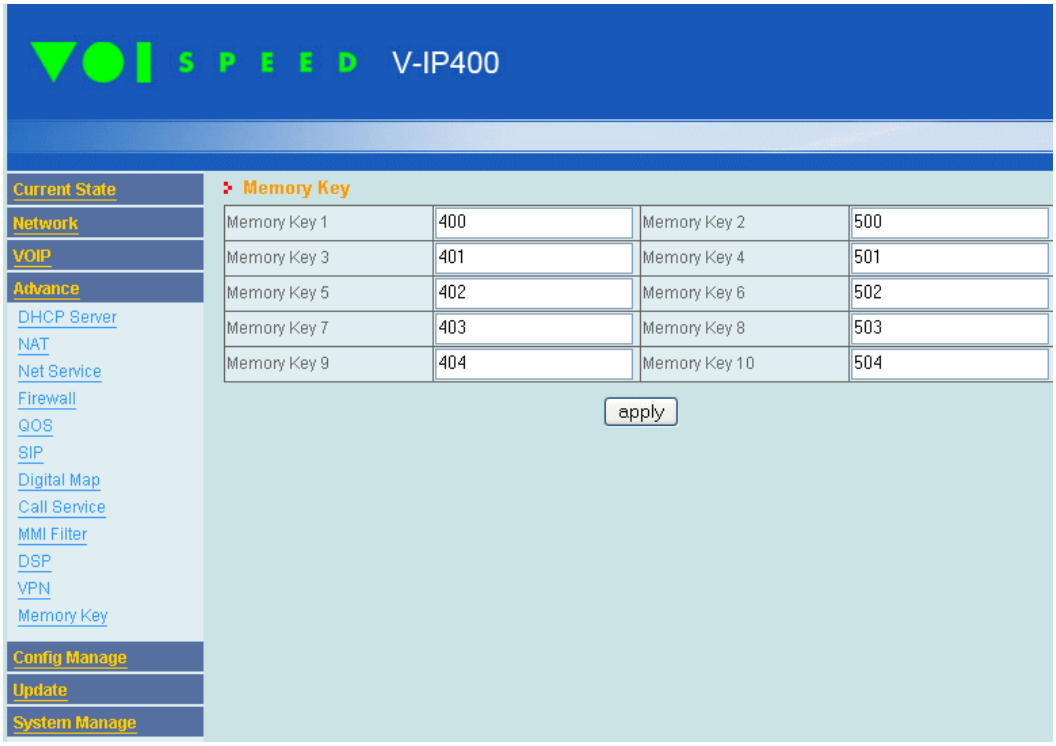


You need to configure the following parameters when you you use Pronto:

- *Coding Rule*: codec used for calls. **Set G711Alaw64k with PRONTO**
- *Signal standard*: signalling tone reproduced when the display shows "Please hang up"
- *Ring Type*: select the preferred ring type
- *Output Volume*: handset playback volume
- *Input Volume*: handset microphone volume
- *Handfree Volume*: speakerphone playback volume
- *Ring Volume*: ring volume
- *Handdown Time*: the active call is released when the handset is replaced for a time longer than "handdown time" (default value 200ms).

5.5.6. Memory Key

Each V-IP400 telephone is provided with 10 configurable memory keys. These 10 keys can be used as quick call buttons, allowing you to make new calls as well as showing (with their lamps) the state of each user. Once you have configured the memory keys you need to reboot the telephone (NB: remember to save the configuration before).



You don't need to access the web interface to assign memory keys. The same operation can be performed from the telephone keypad:

- Press the memory key button: if the button is already assigned to a user's extension, the extension number will be shown on the display. If no assignement is present the display will show "NULL".
- Press *Del* button: the display will show "INPUT VALUE"
- Type the extension's number
- Press *OK*: the display will show "SAVING" and the extension number entered
- Press *EXIT* in order to go back to idle state

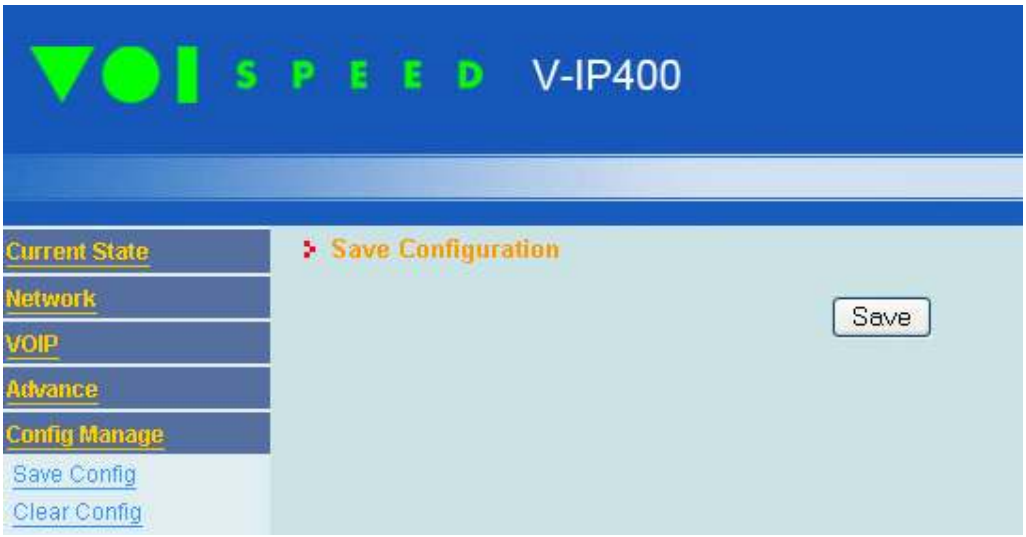
Read this only if the V-IP400 telephone is being used with a PRONTO server.
Each lamp next to a memory key shows the status of the associated extension. Following below is a table containing the description of each colour:

Not logged or empty memory key	**Off**
Free	**Green**
Busy	**Red**
Divert	**Green slow-blinking**
Ringing	**Amber quick-blinking**
Pause	**Red slow-blinking**
Vocalbox	**Amber**

5.6. Config Manager

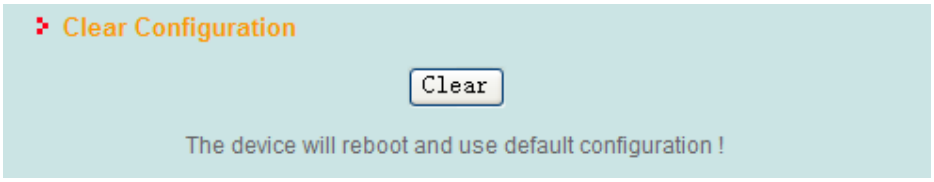
5.6.1. Save and Clear configuration

This menu contains Save and Clear configuration buttons.



The V-IP400 configuration must be saved pressing the Save button before rebooting. In each page of the web interface you can apply the modified settings by pressing the *Apply* button. If you don't press any buttons within 2 minutes, the web interface will log you out and all non-saved settings will be lost.

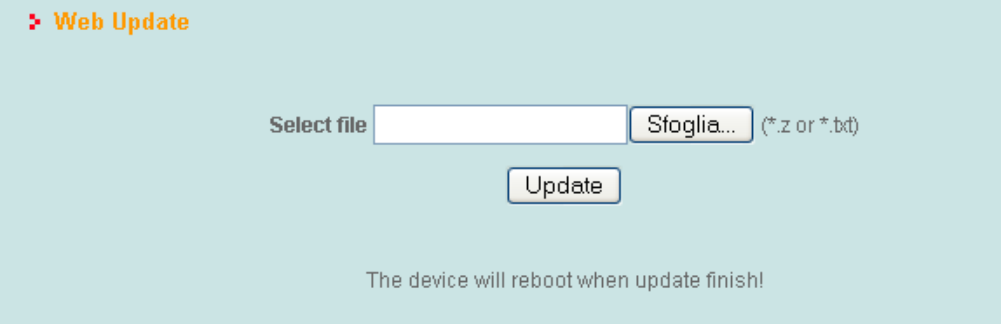
Press the "*Clear"* button if you want to RESET to the manufacturer's original default settings.



5.7. Upgrade

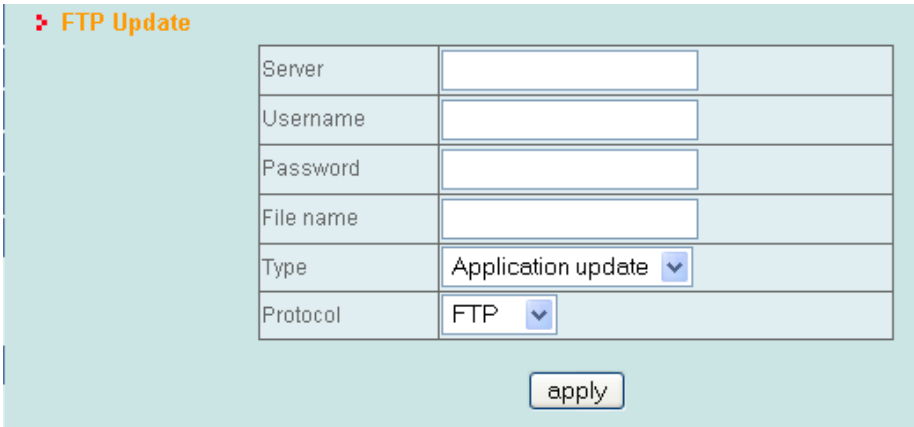
➢ **Web update**

On this page in it possible to select the file (saved on your computer) containing firmware or configuration upgrades. During the upgrade the display of the phone shows "*Download"* and "*Update"*. Once the upgrade has been completed the phone will reboot automatically.



➢ **Download FTP/TFTP**

You can import or export the configuration or load a new firmware using a FTP or TFTP server. Press *Apply* once finished.



In order to connect to a FTP/TFTP server you need to specify:

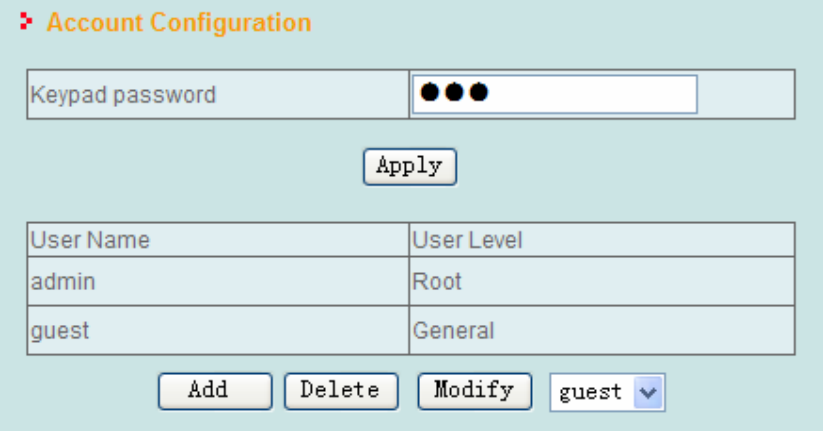
- IP address of the FTP/TFTP server.
- Username and password of an FTP user. This information is not required when you connect to a TFTP server.
- File name. Please note that firmware upgrade files have the "**.z"** extension whereas config files have the "**.cfg"** extension.
- The action you want to perform: import/export configuration file, firmware upgrade.

- Protocol used.

5.8. System management

5.8.1. Account configuration

In this page the administrator can set username and password required to access the web interface.



Description:
Add: to add a new account.

New username

User rights: Root =administrator, General = read-only user

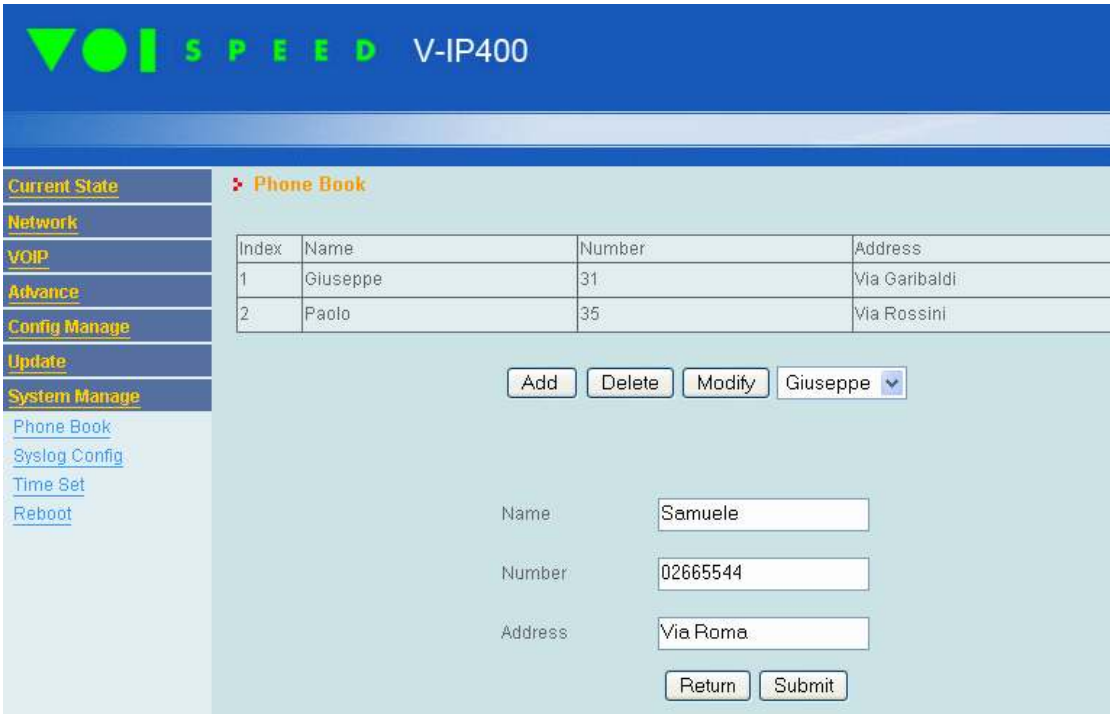
User's password

Confirm password

Delete: you first need to select the account and then press Delete to cancel the entry.

5.8.2. Phone Book

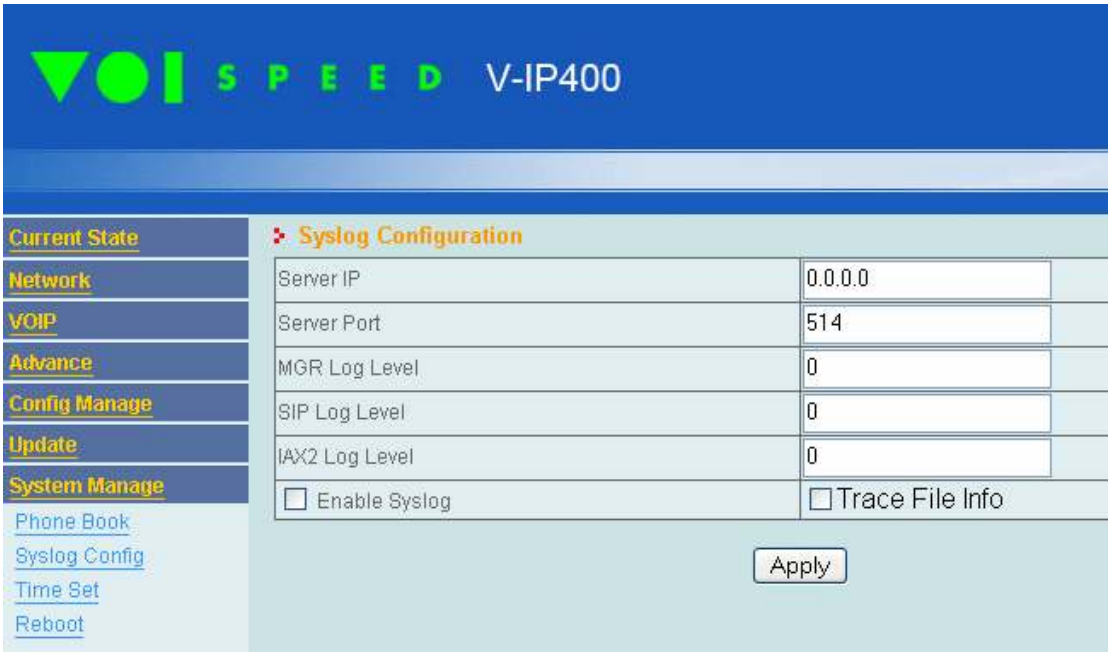
This page is used to manage the V-IP400 address book. The user can add a new entry pressing the *Add* button, filling all contact fields (name, number and address) and pressing the *Submit* button. Select a contact and press *Delete* when you want to delete a contact.



The user can access the phonebook from the keypad by pressing the *Play* button. Select the *ADD* entry in the menu to enter a new contact name and number. Press OK to confirm. .
To delete a contact please select the contact in the list and press the '*del'* button. Press OK to confirm.
To search an entry in the address book: press PLAY and then Search. The search is based on the contact's name.
To call a number from the address book: select an entry (see above) and then press REDIAL without lifting the handset. The call will start on loudspeaker.

5.8.3. Syslog server

The V-IP400 can send information to a syslog server. We suggest enabling syslog (check *Enable syslog* box) server only if you experience some problems or on explicit request of the VOIspeed technical support. The syslog server must be running on a PC connected to the same LAN that includes the V-IP400 phone.

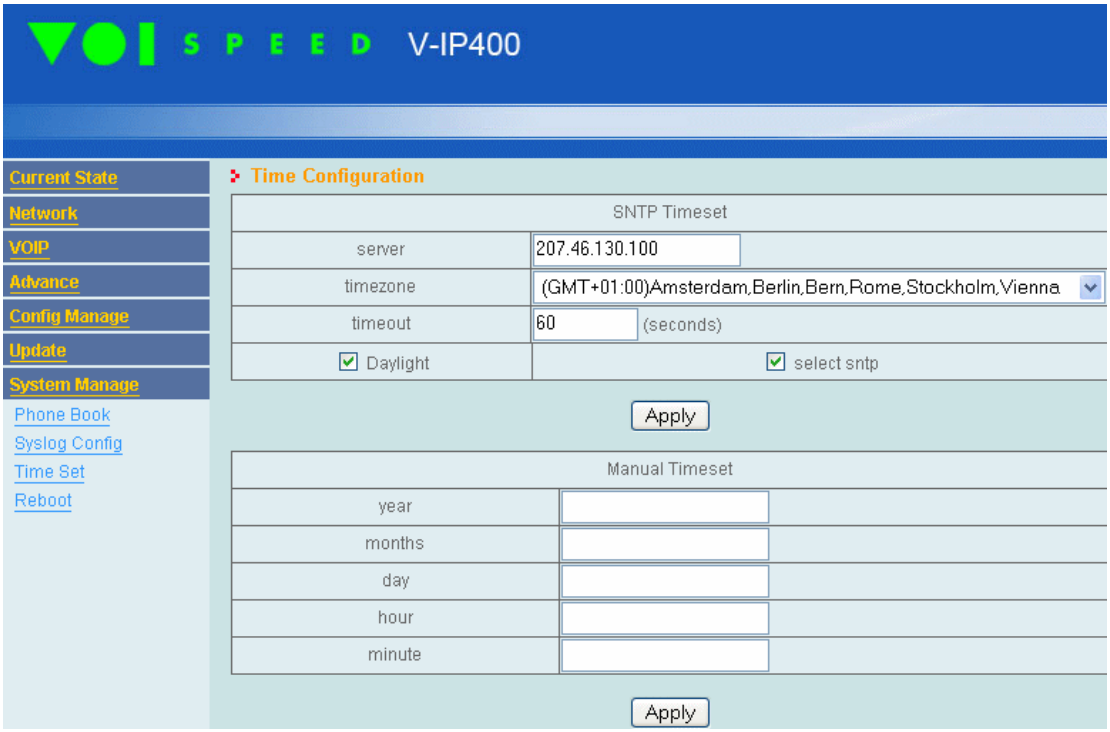


In order to setup the connection between the V-IP400 and the syslog server you need to enter these parameters:

- syslog server IP address
- the input UDP port for the server (default 514)
- MGR log level (0..7) defines the degree of detail for the call management log files.
- SIP log level (0..7) defines the degree of detail for the SIP protocol log files.

5.8.4. Time Configuration

This page contains all time and date settings.



Time and date can be set manually or can be updated by a SNTP server.

➢ **Set time using an SNTP server**

In case the phone has a static IP address and the administrator defines an SNTP server hostname it is important to define a valid DNS server IP address in the V-IP400 configuration setting ("Network" section of the web interface). Furthermore, if the SNTP server is running outside of your LAN, the administrator must enter a valid gateway IP address in the web interface ("Network" section) to establish a connection between the phone and the SNTP server.

In order to connect the V-IP400 with the SNTP server, the administrator should specify the SNTP server hostname (or IP address), choose the proper time-zone (England GMT + 00), enable *Daylight*, select the time acquisition timeout (default: 60 secs) and enable the *select sntp* checkbox. At the end of the configuration press *Apply*.

➢ **Set time Manually**

The administrator can set manually the time for the V-IP400 and the telephone will use its internal clock.
Note. Date and time are reset to their default value in case you enter the time manually and the V-IP400 is rebooted.

6. Keyboard Configuration

6.1. Enter the telephone menu

In order to enter the configuration when the V-IP400 is in idle status: press the *MENU* button, type the password (default **123**) and press the *OK*. The user needs to press *UP* and *DOWN* to browse through the submenus.

6.2. Network settings (IP address, Netmask)

When the V-IP400 is in idle status

- Press the '1' on the keypad for 3 seconds to enable static IP mode (STATIC).
- Press the '2' on the keypad for 3 seconds to enable dynamic IP mode (DHCP).

Only for STATIC IP mode
When the static IP mode is selected, go to Network → LAN → STATIC NET → IP (in the V-IP400 menu). To assign the IP address: press *DEL* and enter an IP address following this syntax:
xxx*xxx*xxx*xxx.
Press *OK* to confirm.

Once you have assigned the IP address, press *EXIT*, enter *Netmask* menu and specify the Netmask following the syntax above. Press OK to confirm.

6.3. Telephone startup in POST mode

The POST mode must be used only by expert personnel and allows the administrator to reset, upgrade the phone and view the list of MAC addresses.
During the phone startup the administrator can choose if the phone needs to run in normal or post mode. In order to enter post mode the administrator should press the '#' key when the phone is starting up (a row of # symbols is display during the bootup phase).

Note: only one phone at a time can be used in post mode on the same network or there will be a conflict. To have access to this mode from your PC, you need to have an IP address with this format: 192.168.10.xx (the phone will acquire the address 192.168.10.1 on the WAN port).

6.4. Address book

The V-IP400 can store up to 100 contacts in the address book. Pronto shared phone book cannot be uploaded on the V-IP400. In order to add a new contact to the telephone's

address book: press *PLAY*, select *ADD*, and enter the details on the contact. If you want to search a contact in the address book, select the *SEARCH* from the menu and type the first few characters of the name. You can browse through the address book by selecting *CURRENT* from the menu.

Further information about the V-IP400 telephone and more technical material can be accessed on our websites: www.prontopbx.com and www.voispeedltd.com